



## CITY OF BRISBANE

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### M E M O R A N D U M

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**To:** City Council and City Manager  
**From:** Randy Breault, Director of Public Works/City Engineer *RJ Breault*  
**Subject:** Marina and Sierra Point Utilities Response to Sea Level Rise *CLH*  
**Date:** for Council meeting of 5/18/23

Coincidental to receipt of the first update on the Sierra Point Open Space & Parks Master Plan and that document's discussion of existing and anticipated future sea levels, the city desires to take a holistic look at two other major issues at Sierra Point: one, access to the area from Sierra Point Parkway, and two, needed response to sea level rise (SLR) to preserve city infrastructure.

With regards to access to Sierra Point from Sierra Point Parkway, the city will need to consult with Caltrans and confirm that state agency intends to protect the reach of US 101 within our city limits. Defense of this existing resource is critical to Brisbane and not just for access to Sierra Point; if US 101 were allowed to be flooded, then the water levels in the Brisbane Lagoon might get so high that they will prevent our stormwater lines from draining, which could result in significant flooding in the lower areas of central Brisbane. If we can confirm that Caltrans will protect US 101, then we will still need to complete engineering studies that may include installation of storm gates to prevent high San Francisco Bay water levels from reaching the Lagoon, in addition to a pumping station to reroute storm waters to prevent discharge from our storm drain system into the Lagoon overwhelming the storage capacity of the Lagoon.

During staff's 3/30/23 meeting with Len Materman of One Shoreline, he offered to connect city staff with Caltrans staff working on the US 101 response to SLR.

City infrastructure at the eastern edge of Sierra Point includes the Marina (its gangways, slips, harbormaster's office, jetty, seawall and restrooms) and public utilities (a water transmission main, sewer forcemain and sewer lift station), both located in an area that may be impacted by 2050. City staff had a meeting with State Coastal Conservancy (SCC) on 3/9/23, and they determined that the study we outlined for a response to SLR was possibly eligible for grant funding, and we are now working on the preapplication to SCC. Staff has also engaged a nearshore engineering firm, who we have asked to partner with a civil engineering firm to complete the study for which we are requesting grant funds from SCC.